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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/564,022	06/09/2006	Shigeru Suzuki	59507US004	4084
32692	7590	10/11/2006	EXAMINER	
3M INNOVATIVE PROPERTIES COMPANY PO BOX 33427 ST. PAUL, MN 55133-3427			GUSHI, ROSS N	
			ART UNIT	PAPER NUMBER
			2833	

DATE MAILED: 10/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/564,022	Applicant(s) SUZUKI, SHIGERU	
	Examiner Ross N. Gushi	Art Unit 2833	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 4/9/06 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 4/2/06

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____
- 5) ☐ Notice of Informal Patent Application
- 6) ☒ Other: Attachment

DETAILED ACTION

Claim Rejections - 35 USC § 102 and 35 USC § 103

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in —

(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or

(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a);

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-5 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Dufau '556 ("Dufau"). Per claim 1, Dufau discloses a wire-terminal element comprising a terminal attachment section attachable to a terminal part, a wire connecting section 20 connectable to an electric wire, and a wire holding section (see attachment) for holding the electric wire, said terminal attachment section includes an engaging element 12 engageable with the terminal part; said wire connecting section includes a slotted flat

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insulation-displacing element capable of conductively contacting a conductor by penetrating through a covering of the electric wire; said wire holding section includes a holding element for holding the electric wire in a bent manner; said wire connecting section and said wire holding section are arranged movably relative to each other; and said insulation-displacing element and said holding element holding the electric wire move relative to each other, so that said insulation-displacing element comes into conductive contact with the conductor of the electric wire at a distal end length adjacent to a bent region (see figure 2) of the electric wire.

Per claim 2, said holding element includes a first holding element having a through hole 36 into which the electric wire is insertable and a second holding element having a groove 68 spaced from said through hole and capable of receiving the electric wire, the electric wire being bent between said first holding element and said second holding element.

Per claim 3, said terminal attachment section and said wire holding section are arranged in a fixed manner relative to each other (in particular the holding section at 36 does not move relative to end 12).

Per claim 4, terminal attachment section and said wire connecting section are arranged in a fixed manner relative to each other.

Per claim 5, said wire connecting section and said wire holding section are coupled together in a rotatable manner relative to each other.

Per claim 7, the element has a unitary structure that is punched from a metal plate and is bent.

Claims 1 and 6 are rejected under 35 U.S.C. 102(e) as being anticipated by Brandl et al. ("Brandl"). Per claims 1 and 6, Brandl discloses a wire-terminal element 7 comprising a terminal attachment section attachable to a terminal part (see figure 4), a wire connecting section 8 connectable to an electric wire, and a wire holding section 9 for holding the electric wire, said terminal attachment section includes an engaging element (opposite end at 8) engageable with the terminal part; said wire connecting section includes a slotted flat insulation-displacing element capable of conductively contacting a conductor by penetrating through a covering of the electric wire; said wire holding section includes a holding element for holding the electric wire in a bent manner; said wire connecting section and said wire holding section are arranged movably relative to each other; and said insulation-displacing element and said holding element holding the electric wire move relative to each other, so that said insulation-displacing element comes into conductive contact with the conductor of the electric wire at a distal end length adjacent to a bent region (see figure 3) of the electric wire.

Per claim 6, said wire connecting section and said wire holding section are coupled together in a movable manner while keeping a parallel correlation relative to each other.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ross Gushi whose telephone number is (571) 272-2005. If attempts to reach the examiner by phone are unsuccessful, the examiner's supervisor, Paula A. Bradley, can be reached at 571-272-2800 extension 33. The phone number for the Group's facsimile is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



ROSS GUSHI
PRIMARY EXAMINER

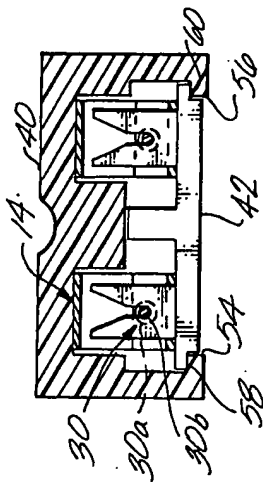


Fig. 3

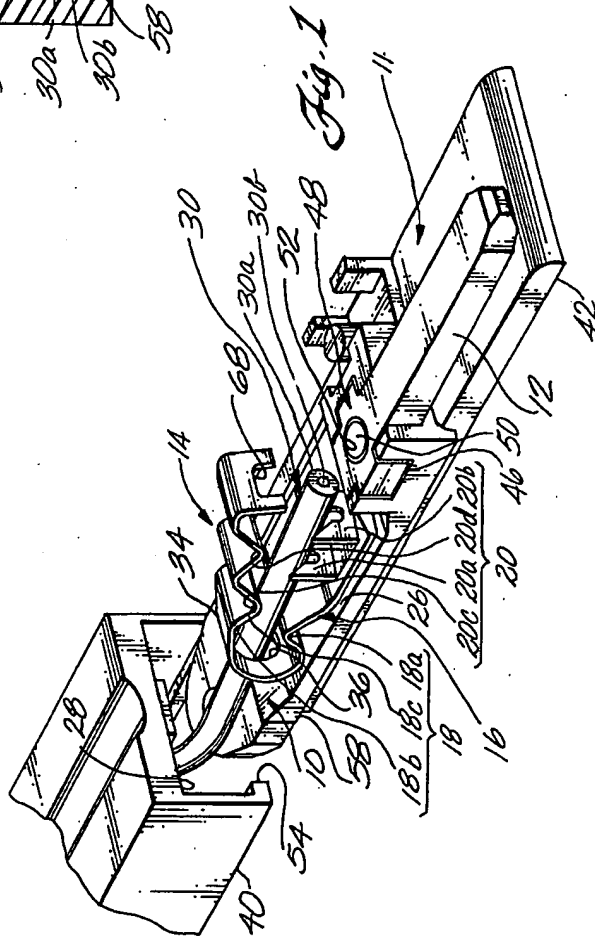


Fig. 1

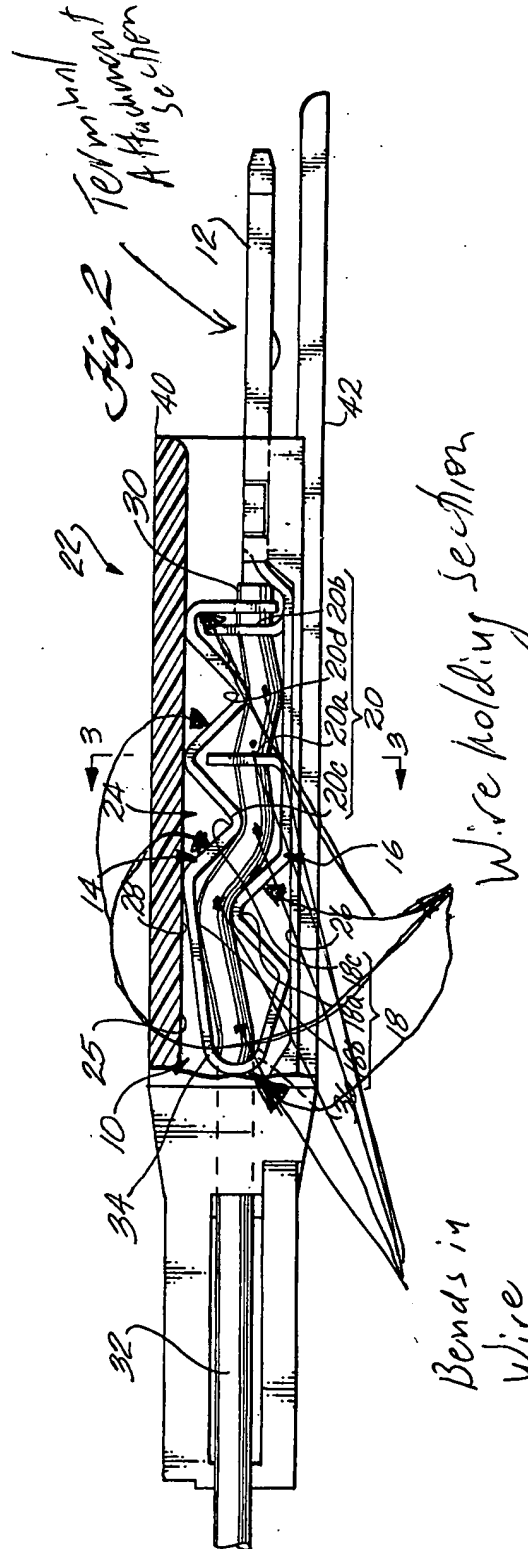


Fig. 2 Terminal Attachment Section

Wire holding section

Bends in Wire

Attachment